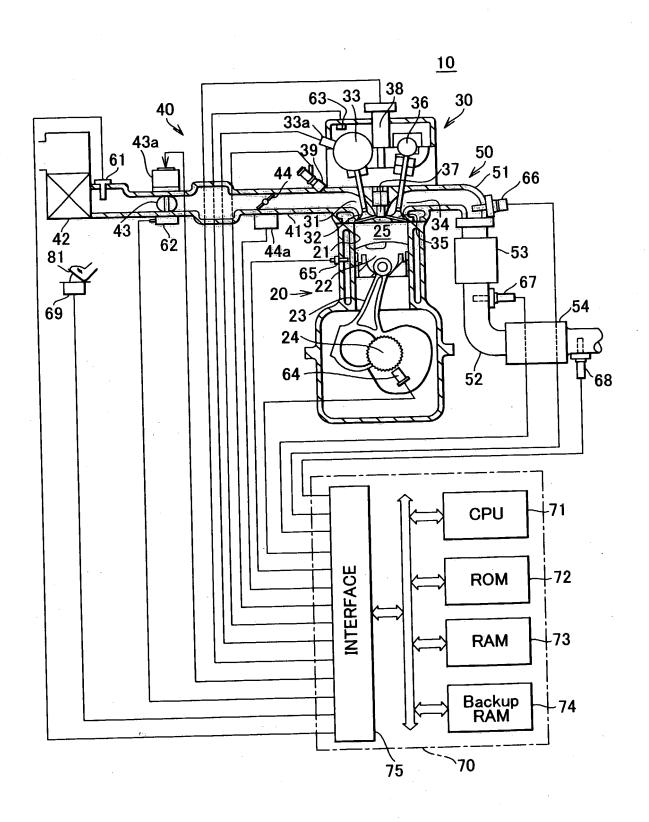
FIG.1



F I G . 2

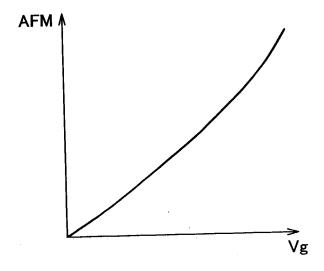


FIG.3

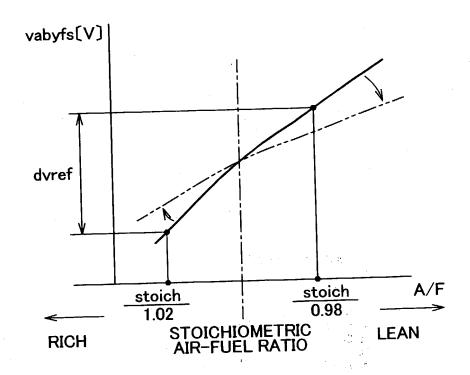
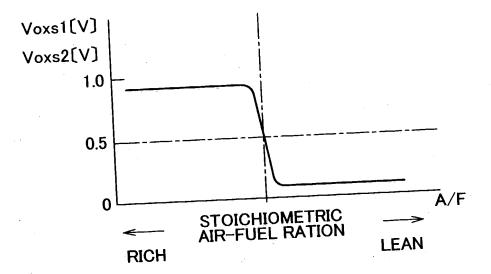


FIG.4



TIME TIME TIME TO SERVICE TO SER TIME Mode=1 | Mode=2 | Mode=3 | Mode=4 | Mode=5 | Mode=6 19 **t**2 4 FIG. 5 ಭ 42 STOICHIOMETRIC SITAR SIT CSCmax 0 0 CUFmax (A)UPSTREAM-OF-FIRST CATALYST AIR-FUEL RATIO (E)OXYGEN STORAGE OF SECOND CATALYST (C)OXYGEN STORAGE OF-FIRST CATALYST (D)Voxs2 (B)Voxs1

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FIG.6

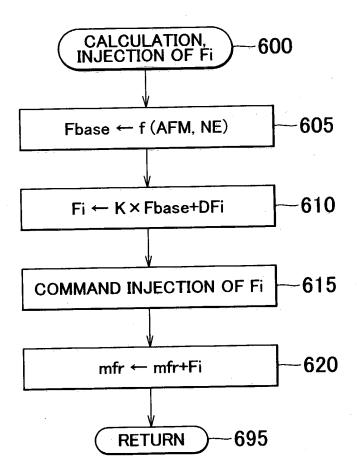


FIG.7

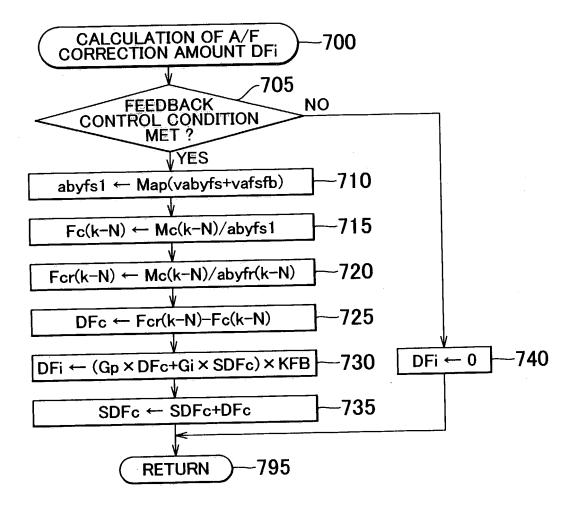


FIG.8

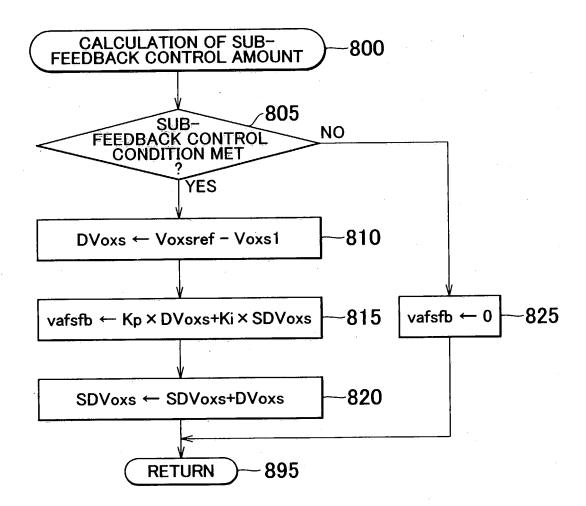


FIG. 9

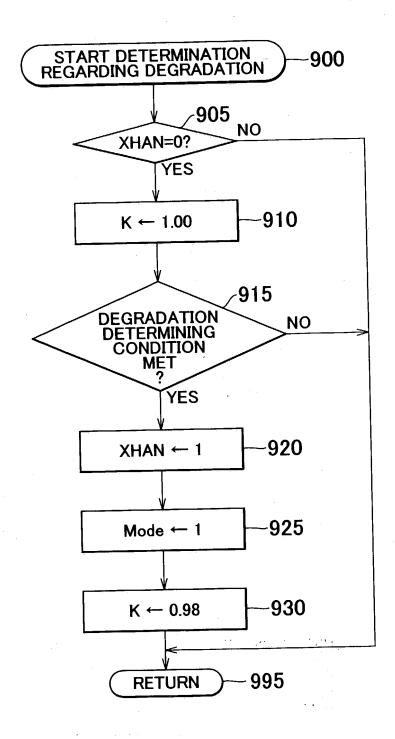


FIG. 10

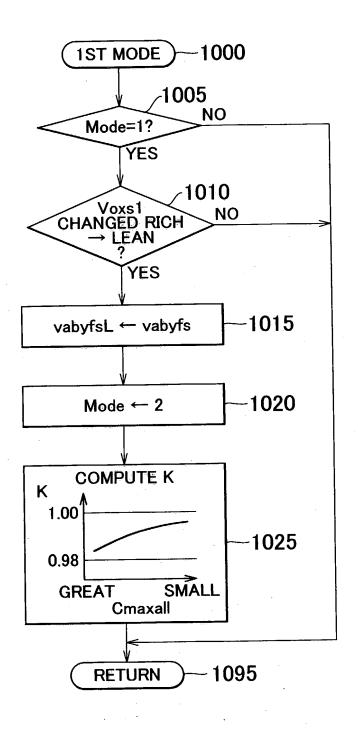


FIG. 11

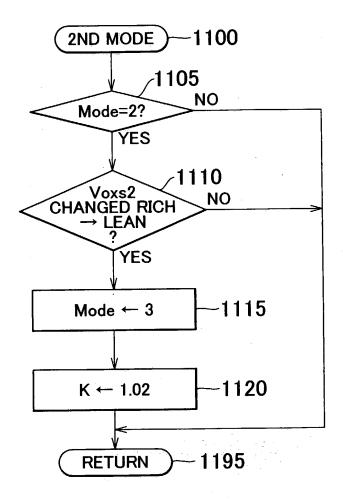


FIG. 12

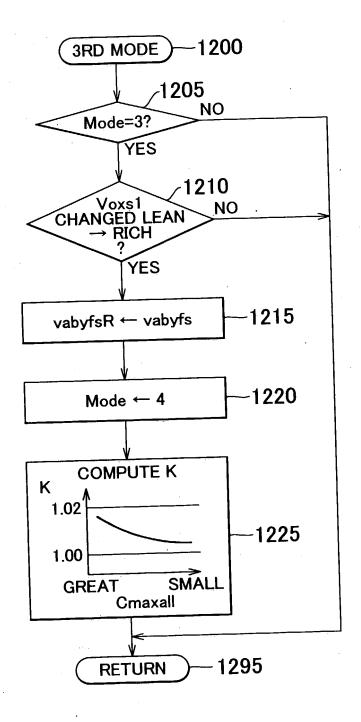


FIG. 13

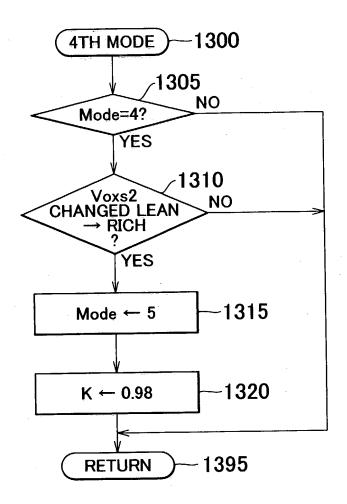


FIG. 14

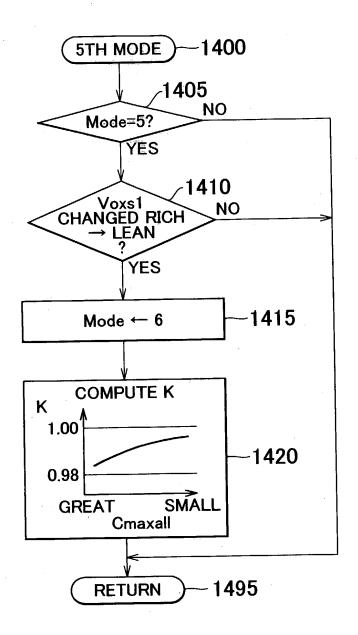


FIG. 15

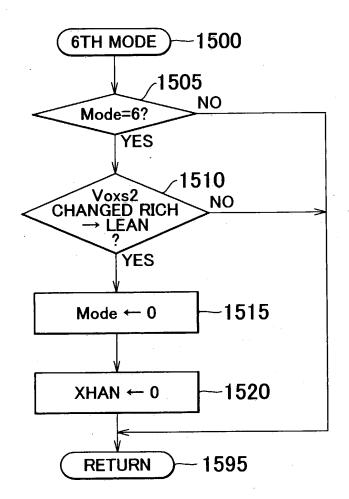
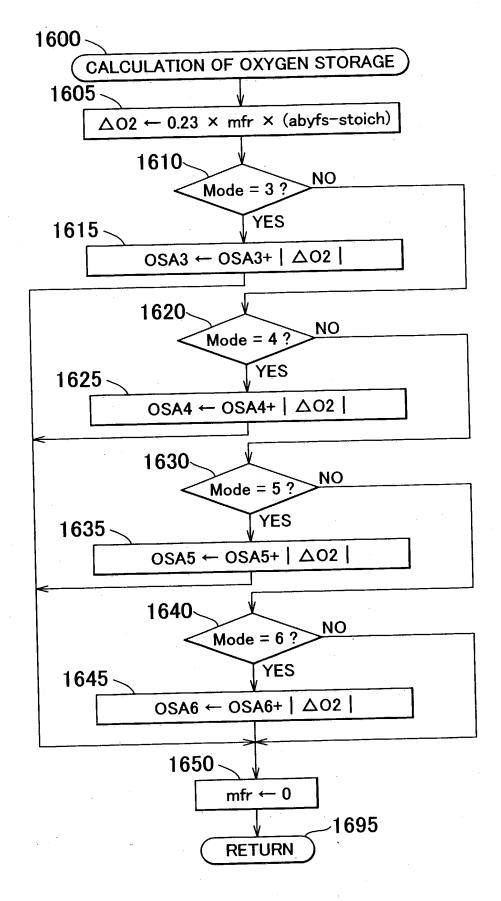
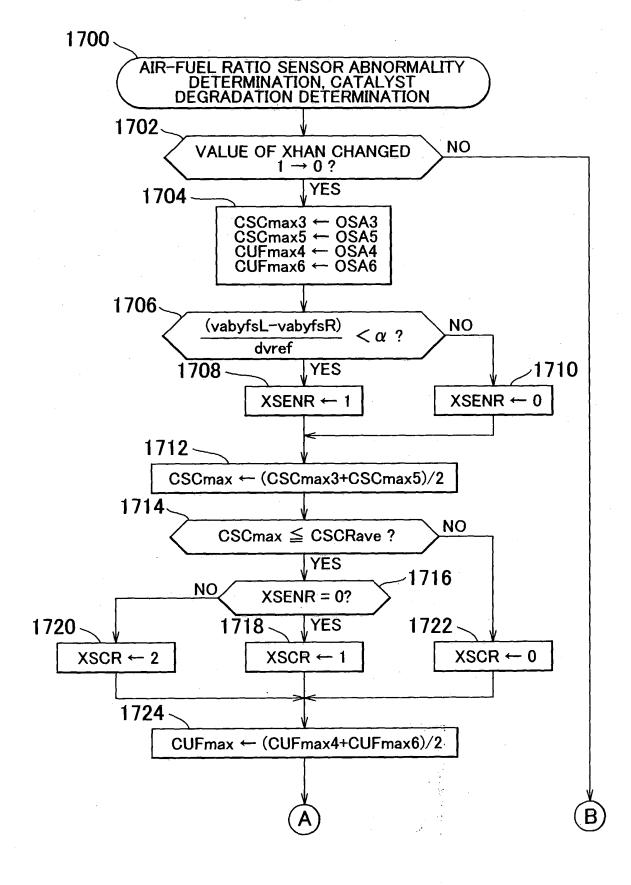


FIG. 16



F I G . 17a



F I G . 17b

